

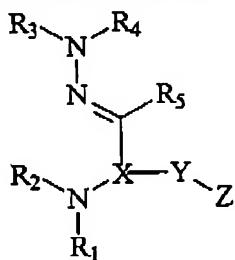
Application No. 10/749,164

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula



where R₁, R₂, R₃, and R₄ are, independently, an alkyl group, an alkaryl group, an aryl group, or a part of a cyclic group;

R₅ is hydrogen, an alkyl group, an alkaryl group, an aryl group, or a heterocyclic group;

X comprises an aromatic group;

Y is a linking group having the formula -(CH₂)_m- , branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, an NR₆ group, a CHR₇ group, or a CR₈R₉ group where R₆, R₇, R₈, and R₉ are,

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independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, [[or]] an aryl group, or part of a cyclic group;

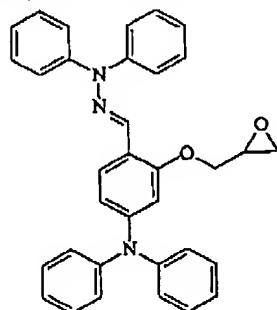
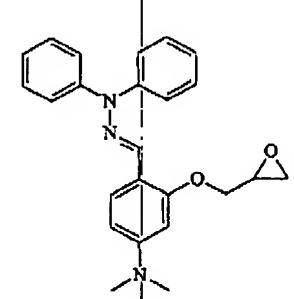
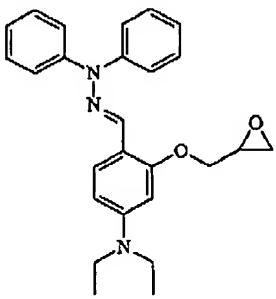
Z comprises an epoxy group; and

(b) a charge generating compound.

2. (Original) An organophotoreceptor according to claim 1 wherein Y is a -Y'(CR₁₀R₁₁)_n- group where n is an integer between 1 and 19, Y' may be O, S, or NR₁₂, and R₁₀, R₁₁, R₁₂ are, independently, hydrogen, an alkyl group, an alkaryl group, an aryl group, or a part of a cyclic group.

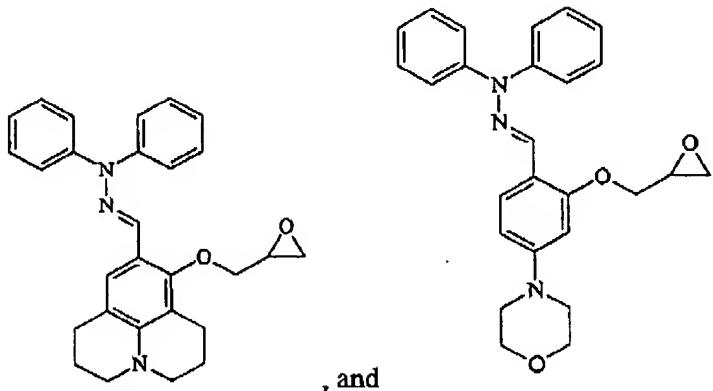
3. (Original) An organophotoreceptor according to claim 1 wherein X comprises an aryl group.

4. (Original) An organophotoreceptor according to claim 1 wherein the charge transport material has a formula selected from the group consisting of the following:



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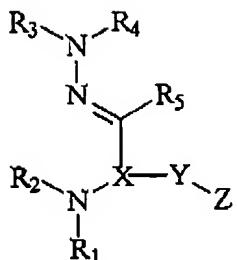
5. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.

6. (Original) An organophotoreceptor according to claim 5 wherein the second charge transport material comprises an electron transport compound.

7. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a binder.

8. (Currently Amended) An electrophotographic imaging apparatus comprising:
(a) a light imaging component; and
(b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:
(i) a charge transport material having the formula

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where R₁, R₂, R₃, and R₄ are, independently, an alkyl group, an alkaryl group, an aryl group, or a part of a cyclic group;

R₅ is hydrogen, an alkyl group, an alkaryl group, an aryl group, or a heterocyclic group;

X comprises an aromatic group;

Y is a linking group having the formula -(CH₂)_m-, branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, an NR₆ group, a CHR₇ group, or a CR₈R₉ group where R₆, R₇, R₈, and R₉ are, independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, [[or]] an aryl group, or part of a cyclic group;

Z comprises an epoxy group; and

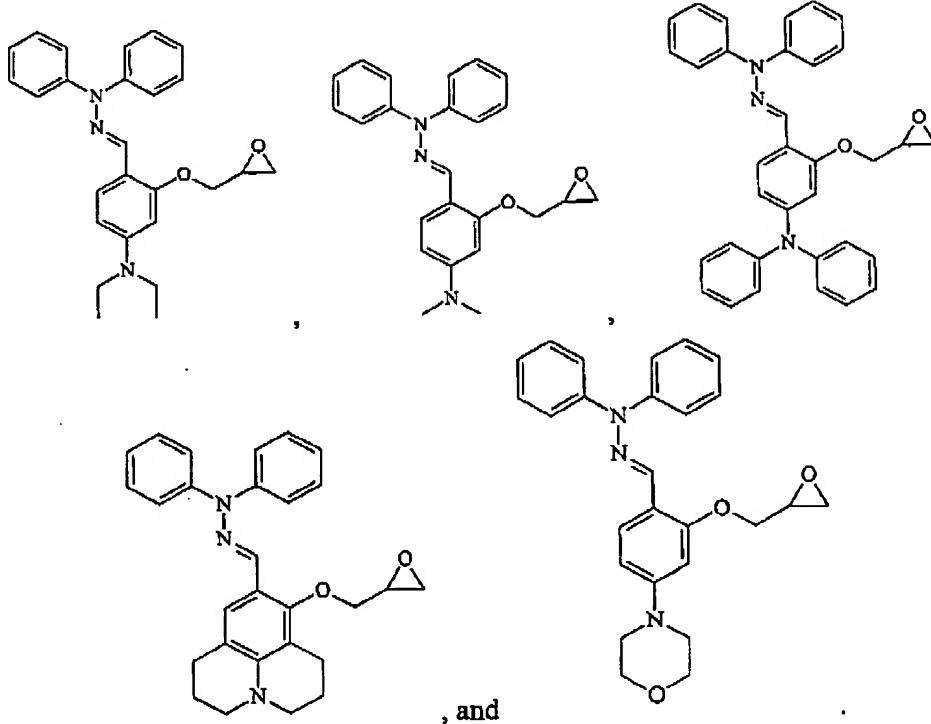
(ii) a charge generating compound.

9. (Original) An electrophotographic imaging apparatus according to claim 8 wherein Y is a -Y'(CR₁₀R₁₁)_n- group where n is an integer between 1 and 19, Y' may be O, S, or NR₁₂, and R₁₀, R₁₁, R₁₂ are, independently, hydrogen, an alkyl group, an alkaryl group, an aryl group, or a part of a cyclic group.

10. (Original) An electrophotographic imaging apparatus according to claim 8 wherein X comprises an aryl group.

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11. (Original) An electrophotographic imaging apparatus according to claim 8, wherein the charge transport material has a formula selected from the group consisting of the following:



12. (Original) An electrophotographic imaging apparatus according to claim 8, wherein the photoconductive element further comprises a second charge transport material.

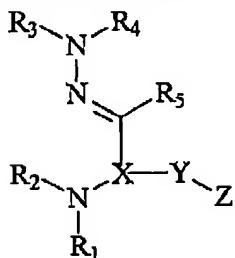
13. (Original) An electrophotographic imaging apparatus according to claim 12, wherein second charge transport material comprises an electron transport compound.

14. (Original) An electrophotographic imaging apparatus according to claim 8 further comprising a liquid toner dispenser.

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15-22. (Cancelled)

23. (Currently Amended) A charge transport material having the formula



where R_1 , R_2 , R_3 , and R_4 are, independently, an alkyl group, an alkaryl group, an aryl group, or a part of a cyclic group;

R_5 is hydrogen, an alkyl group, an alkaryl group, an aryl group, or a heterocyclic group;

X comprises an aromatic group;

Y is a linking group having the formula $-(CH_2)_m-$, branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, an NR₆ group, a CHR₇ group, or a CR₈R₉ group where R₆, R₇, R₈, and R₉ are, independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, [[or]] an aryl group, or part of a cyclic group; and

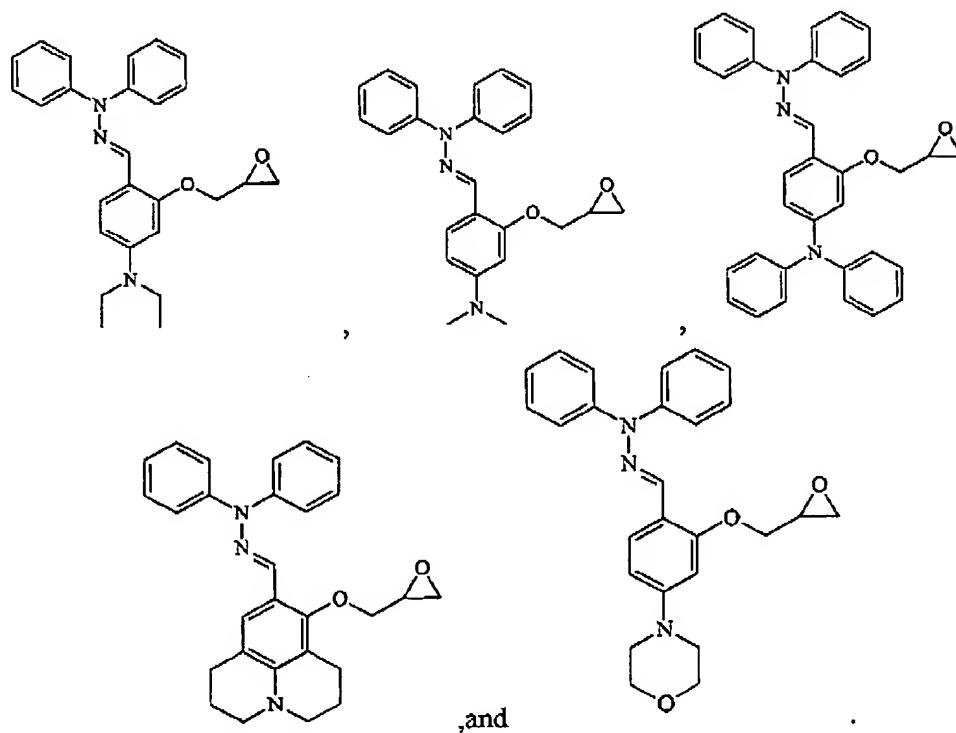
Z comprises an epoxy group.

24. (Original) A charge transport material according to claim 23 wherein Y is a -Y'(CR₁₀R₁₁)_n- group where n is an integer between 1 and 19, Y' may be O, S, or NR₁₂, and R₁₀, R₁₁, R₁₂ are, independently, hydrogen, an alkyl group, an alkaryl group, an aryl group, or a part of a cyclic group.

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25. (Original) A charge transport material according to claim 23 wherein X comprises an aryl group.

26. (Original) A charge transport material according to claim 23 wherein the charge transport material has a formula selected from the group consisting of the following:



27-32. (Cancelled)